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JOINT PHOTOGRAPHIC INTELLIGENCE OAR REPORT

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27 NOVEMBER 1960

Par 603-60/Z

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JOINT PHOTOGRAPHIC INTELLIGENCE

OAR REPORT

PREFACE

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WARNING: It should be noted that the following photographic intelligence report on Cuba is classified TOP SECRET [] and is to be handled in the TALENT Control System. This report may NOT be released from TALENT Controls under the provisions of COMOR-D-24 [] however, the individual items of information on pages 1 through 41 have been prepared in a semi-sanitized fashion so as to facilitate ready transmittal of significant selected items to field commands, should this become necessary.

This report provides a partial listing, as of 27 November 1960, of items of intelligence interest in Cuba. Observation was generally limited to the western portion of the island.

Activity observed at three airfields was especially noteworthy:

Campo Libertad Airfield - 52 field artillery pieces (probably 76 mm), 24 possible field artillery pieces, two 3-gun antiaircraft (machine gun) positions, and two 3-gun antiaircraft (machine gun) positions probably under construction. Nine large and two small buildings, partially below ground, constructed []

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San Antonio de los Banos Airfield - One 6-gun light antiaircraft position and three 3-gun occupied antiaircraft emplacements. The 6-gun position and at least one of the 3-gun emplacements are new []

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Domingo Rosillo Airfield (previously called Baracoa Airfield) - Three HOUND, two HARE and four possible HARE helicopters.

Further details on these airfields are contained in the listing.

Items are arranged in this listing by WAC, within WAC by subject, and within subject by degree square reading from south to north and from east to west.

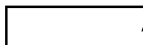
An explanation of the column headings used in the listing is contained in the appendix.

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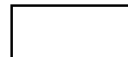


Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

PAR 603-60/Z

TABLE OF CONTENTS

<u>WAC 586</u>	Page
Electronics	1
Airfields	5
Military Installations	12
Storage	15
Industry	16
Basic Services	25
Urban Complexes	29
Miscellaneous	30
 <u>WAC 587</u>	
Electronics	32
Airfields	33
Military Installations	36
Storage	37
Industry	37
Basic Services	39
Urban Complexes	41
Miscellaneous	41
 Subject Index	43
Appendix	55



TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
JATIBONICO, RADIO STATION NE EDGE OF TOWN.	2157N 07910W	0586		94C	1B
SANTA CLARA, RADIO STATION 4 NM S OF SANTA CLARA. MEDIUM-FREQUENCY BROADCASTING STATION. LATTICE TOWER AND 2 ASSOCIATED BLDGS.	2220N 07958W	0586		177G	1B
SANTA CLARA, MICROWAVE SITE ATOP HILL 3 NM S OF SANTA CLARA, AT 22-20-30N 79-58-00W. TOWER AND ASSOCIATED BLDG.	2221N 07958W	0586		177F	1A
CIENFUEGOS AREA, RADIO BROADCASTING STATION 1.3 NM SE OF CIENFUEGOS RAILROAD STATION AND YARDS. ONE SELF-SUPPORTING TOWER AND ONE BUILDING. THIS TOWER IS IN DIRECT LINE WITH AND APPROXIMATELY 1 NM SW OF JAIME GONZALES AIRFIELD RUNWAY CONSTRUCTION. THIS POSITION SUGGESTS POSSIBLE REMOVAL OF TOWER OR STATION.	2208N 08025W	0586		51L	1B
CIENFUEGOS AREA, PROBABLE BROADCASTING STATION .7 NM SW OF CIENFUEGOS RAILROAD STATION AND YARDS. ONE SELF-SUPPORTING LATTICE TOWER, ONE BUILDING.	2208N 08027W	0586		51K	1B
CIENFUEGOS AREA, PROBABLE BROADCASTING STATION 1 NM NE OF CIENFUEGOS RAILROAD STATION AND YARDS. ONE GUYED LATTICE TOWER, ONE CONTROL BUILDING.	2209N 08026W	0586		51M	1B
MADRUGA, MICROWAVE RELAY STATION 1 NM NE OF MADRUGA. INSTALLATION CONSISTS OF A TOWER AND TWO BUILDINGS.	2255N 08150W	0586		109B	1A

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Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
ARTEMISA, MICROWAVE STATION NE SIDE OF ARTEMISA, AT 22-50-30N 82-45-10W. TOWER AND ASSOCIATED BLDG.	2251N 08245W	0586		13E	1A
GUANAJAY, MICROWAVE STATION SW SIDE OF GUANAJAY. TOWER AND ASSOCIATED U-SHAPED BLDG.	2255N 08241W	0586		215B	1A
HAVANA AREA, RADIO TRANSMITTING STATION 5.5 NM WSW OF SANTIAGO DE LAS VEGAS, AT 22-56-20N 82-29-15W.	2256N 08229W	0586		86F	1B
BAUTA AREA, COMMUNICATION STATION U/C 2 NM S OF BAUTA. STATION CONSISTS OF A COMPLETED CONTROL BUILDING, A POSSIBLE COOLING POND U/C, AND ONE RHOMBIC ANTENNA. NO DISSIPATION LINE WAS OBSERVED IN ASSOCIATION WITH THE RHOMBIC ANTENNA. TWO TOWERS, PROBABLY SELF-SUPPORTING, ARE LOCATED ON THE OPPOSITE SIDE OF THE CONTROL BLDG FROM THE RHOMBIC ANTENNA. THEIR FUNCTION CANNOT BE DETERMINED AT THIS TIME.	2257N 08232W	0586		22B	1A
SANTIAGO DE LAS VEGAS AREA, RADIO STATION SMALL BUILDING OBSERVED.	2258N 08224W	0586		187	1B
MATANZAS, PROBABLE MICROWAVE TOWER SE OF MATANZAS. NOT AT THESE COORDINATES.	2301N 08132W	0586		120K	1A
MATANZAS, MICROWAVE SITE 1 NM N OF MATANZAS. SITE HAS 2 TOWERS AND 1 BUILDING.	2304N 08134W	0586		120A	1A
HERSHEY CENTRAL, COMMUNICATIONS SITE 1.5 NM S OF HERSHEY SUGAR MILL. HAS TWO TOWERS. ONE TOWER IS PROBABLY THE SANTA CRUZ DEL NORTE MICROWAVE STATION.	2306N 08157W	0586		87B	1A

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
PLAYA VISTA DEL MAR, MICROWAVE SITE ATOP HILL AT 23-00-50N 82-49-40W. TOWER AND ASSOCIATED SMALL BLDG.	2301N 08250W	0586		278	1A
HAVANA AREA, RADIO STATION 2 NM NNW OF WAJAY, AT 23-01-45N 82-26-00W. STATION HAS A CENTRAL CONTROL BUILDING AND TWO GUYED LATTICE ANTENNAS. IT IS A PROBABLE MEDIUM-FREQUENCY STANDARD BROADCAST STATION.	2302N 08226W	0586		86A4	1B
HAVANA, COMMUNICATIONS INSTALLATION .5 NM NNE OF EL CANO, AT 23-02-40N 82-27-20W. 1 TOWER AND 2 ASSOCIATED LARGE BLDGS.	2303N 08227W	0586		86B3	1A
HAVANA AREA, RADIO STATION 2.5 NM NE OF PUNTA BRAVO IN SW HAVANA, AT 23-03-10N 82-28-05W. STATION CONSISTS OF A PAIR OF TALL SELF-SUPPORTING LATTICE MASTS WHICH PROBABLY SUPPORT A DIPOLE, 2 SHORTER SELF-SUPPORTING LATTICE TOWERS, AND 3 BUILDINGS.	2303N 08228W	0586		86A6	1B
HAVANA, BROADCAST STATION .4 NM SE OF ESSO OIL CO, AT 23-07-45N 82-19-00W. 1 LATTICE TOWER AND ASSOCIATED BLDG.	2304N 08219W	0586		86B7	1B
HAVANA AREA, RADIO STATION 3 NM NE OF PUNTA BRAVA IN SW HAVANA, AT 23-03-40N 82-28-50W. STANDARD BROADCAST STATION CONSISTING OF A CONTROL BUILDING AND TWO GUYED LATTICE MASTS.	2304N 08229W	0586		86A7	1B
HAVANA AREA, RADIO STATION 3 NM E OF LIBERTAD, AT 23-04-50N 82-23-10W. THIS STATION CONSISTS OF A LARGE BUILDING	2305N 08223W	0586		86A8	1B

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City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
(WHICH MAY HOUSE STUDIOS), A CONTROL BUILDING, AND A SUPPORT BUILDING. THE ANTENNA IS A TALL SELF-SUPPORTING LATTICE TOWER.					
HAVANA, ARMED FORCES MICROWAVE SYSTEM IN THE WESTERN END OF CAMPO LIBERTAD (CAMPO COLUMBIA), AT 23-05-10N 82-26-10W. INSTALLATION HAS A GUYED TOWER AND ASSOCIATED BUILDING.	2305N 08226W	0586		86H	1A
HAVANA, MICROWAVE STATION .3 NM E OF POLAR BREWERY AND ICE PLANT, AT 23-05-45N 82-23-40W. STATION CONSISTS OF TOWER AND ASSOCIATED BLDG.	2306N 08224W	0586		86B5	1A
HAVANA, BROADCAST STATION JUST SE OF POLAR BREWERY AND ICE PLANT, AT 23-05-40N 82-23-45W. LATTICE TOWER AND ASSOCIATED BLDG.	2306N 08224W	0586		86B9	1B
HAVANA, MICROWAVE STATION W SIDE OF GUANABACOA, AT 23-07-15N 82-18-55W. TOWER WITH SMALL ASSOCIATED BLDG.	2307N 08219W	0586		86C1	1A
HAVANA, BROADCAST STATION .1 NM ENE OF CUBAN PETROLEUM CO, AT 23-07-10N 82-20-00W. 1 LATTICE TOWER AND 2 ASSOCIATED BLDGS.	2307N 08220W	0586		86B6	1B
HAVANA, BROADCAST STATION .2 NM N OF SINCLAIR OIL CO, AT 23-07-10N 82-19-40W. LATTICE TOWER AND ASSOCIATED SMALL BLDG.	2307N 08220W	0586		86B8	1B

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City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
HAVANA, COMMUNICATIONS STATION 1.2 NM E OF GUANABACOA, AT 23-07-35N 82-16-30W. 3 VERTICAL RADIATORS AND ASSOCIATED BLDG.	2308N 08217W	0586		86C2	1B
HAVANA AREA, RADIO STATION .5 NM E OF LA CABANA, AT 23-09-20N 82-19-40W. STANDARD BROADCAST RADIO STATION WITH TWO GUYED LATTICE TOWERS, TWO SHORT SELF-SUPPORTING TOWERS, AND A CONTROL BUILDING.	2309N 08220W	0586		86A9	1B
HAVANA, MICROWAVE STATION NATIONAL OBSERVATORY MICROWAVE STATION. AT 23-08-45N 82-20-30W.	2309N 08221W	0586		86Y	1A
MARBELLA, ELECTRONICS INSTALLATION SW EDGE OF MARBELLA, AT 23-09-45N 82-09-15W. REPORTED TO BE TV STATION.	2310N 08209W	0586		284	1B
TRINIDAD AIRFIELD AIRFIELD PARTIALLY OBSERVED. PROBABLE ASPHALT RUNWAY.	2147N 07959W	0586		196B	2
TRINIDAD, CENTRAL TRINIDAD LANDING FIELD 8 NM ENE OF TRINIDAD. 2,900 X 125 FT NE/SW SOD RUNWAY.	2150N 07950W	0586		196	2
JATIBONICO, SOD LANDING STRIP 4 NM E OF JATIBONICO. 2,000 X 150 FT N/S SOD RUNWAY.	2156N 07905W	0586		94D	2
JATIBONICO, AFLD SOD LANDING STRIP.	2156N 07910W	0586		94B	2
ZAZA DEL MEDIO, AFLD 1,200 X 70 FT NNE/SSW SOD RUNWAY.	2159N 07922W	0586		245	2

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TOP SECRET

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25X1

TOP SECRET

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			BE	OAR	
CAYO LARGO AIRFIELD PART OF AIRFIELD OBSERVED.	2140N 08125W	0586		37	2
CARAPACHIBEY AIRFIELD SMALL SOD LANDING GROUND, PROBABLY NOT IN USE.	2126N 08255W	0586		30	2
SANTA FE, AFLD 3-1/2 NM ESE OF SANTA FE, ISLE OF PINES. ABANDONED SOD LANDING AREA.	2138N 08250W	0586		179	2
SIGUANEY AIRFIELD ISLE OF PINES. 6 NM SE OF LOS INDIOS. 6,400 X 90 FT NE/SW CRUSHED ROCK RUNWAY. 1,100 FT EXTENSION ON NE END OF RUNWAY APPEARS TO BE DETERIORATING. NO AIRCRAFT OBSERVED.	2138N 08257W	0586		190D	2
LOMA DAGUILLA, AIRFIELD ISLE OF PINES. SOD RUNWAY CUT BY DITCHES.	2141N 08242W	0586		1 2	2
SANTA FE AIRFIELD ISLE OF PINES. SOD LANDING AREA 2,300 X 1,250 FT. LANDING AREA PLOWED UP. UNSERVICEABLE FOR AIRCRAFT.	2144N 08245W	0586		180	2
PUNTA DE PIEDRAS SEGUNDO, AFLD ISLE OF PINES. RUNWAY IS OVERGROWN, AFLD ABANDONED.	2145N 08238W	0586		143	2
SANTA FE AREA, ABANDONED AIRFIELD 5 NM NW OF SANTA FE, ISLE OF PINES. 2 NATURAL SURFACE RUNWAYS, ORIENTED NNE/SSW AND NE/SW, HAVE BEEN PLOWED UP.	2146N 08250W	0586		179A	2
COLONEL MARTIN MARRERRO AIRFIELD ISLE OF PINES. 6,000 X 150 FT NE/SW SOD	2150N 08247W	0586		133	2

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City, Installation	Coordinates	WAC	Target Numbers		Sbi
			BE	OAR	
RUNWAY, 3,000 X 150 FT N/S SOD RUNWAY. NO AIRCRAFT OBSERVED. NO UNUSUAL ACTIVITY.					
PRESIDIO MODELO AIRFIELD ISLE OF PINES. SOD LANDING GROUND IMMEDIATELY E OF PRISON. NO AIRCRAFT OBSERVED. NO UNUSUAL ACTIVITY.	2153N 08246W	0586		133A	2
SANTA CLARA AFLD 3,600 X 150 FT ESE/WWN BLACKTOP RUNWAY. ONE NEW HANGAR AT WEST END OF RUNWAY. AIR- CRAFT--7 LIAISON-TYPE.	2225N 07959W	0586		177E	2
CAIBARIEN AIRFIELD 1 NM S OF CAIBARIEN. 2,950 X 100 FT NE/SW HARD-SURFACE RUNWAY.	2230N 07928W	0586		26	2
JURAGUA, LANDING STRIP JUST EAST OF JURAGUA. SOD SURFACE. MAY BE SERVICEABLE. NO ACTIVITY NOTED AND NO AIRCRAFT OBSERVED.	2206N 08033W	0586		285	2
CIENFUEGOS SEAPLANE STATION	2208N 08027W	0586		51B	2
JAIME GONZALES AFLD 4,800 X 250 FT N/S RUNWAY. 3,300 X 250 FT NW/SE RUNWAY. RUNWAY RENOVATION CONTINUES, ASPHALT SURFACE BEING APPLIED TO N/S RUNWAY.	2209N 08025W	0586		51C	2
CONSTANCIA, AFLD 3.5 NM E OF CONSTANCIA. 2,900 X 250 FT NE/SW SOD RUNWAY.	2214N 08031W	0586		56	2
CENTRAL COVADONGA AIRFIELD NO AIRFIELD OBSERVED AT THESE COORDINATES.	2216N 08052W	0586		41	2

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City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
ANDREITA AFLD 1 NM S OF CRUCES. 2,260 X 90 FT E/W DIRT RUNWAY.	2220N 08016W	0586		9	2
MANACAS AFLD JUST S OF MANACAS. 2,400 X 50 FT N/S SOD RUNWAY. FIELD HAS BEEN CLEARED TO WIDTH OF APPROX 150 FT, BUT ONLY CENTRAL 50 FT WIDTH IS BEING USED.	2235N 08020W	0586		110	2
CENTRAL ARAUJO AFLD NOT LOCATED AT REPORTED COORDINATES.	2236N 08055W	0586		40	2
SAGUA LA GRANDE AFLD JUST E OF SAGUA LA GRANDE.	2248N 08003W	0586		159	2
PLAYA GIRON, AIRFIELD U/C IMMEDIATELY NW OF PLAYA GIRON. 3,750 X 145 FT N/S CRUSHED STONE RUNWAY, BEING BLACKTOPPED. AIRFIELD APPARENTLY WILL SERVE NEARBY NEW RESORT AREA. OLD SOD LANDING AREA THAT APPEARS ON AMS MAP (SERIES E723, SHEET 398211) HAS BEEN ABANDONED.	2204N 08102W	0586		282	2
PENINSULA DE ZAPATA AIRFIELD NOT LOCATED AT THESE COORDINATES.	2207N 08117W	0586		140	2
SOPLILLAR AREA, AIRFIELD APPROXIMATELY 4.5 NM SSE OF SOPLILLAR. PARALLELS NEW ROAD. AIRFIELD STILL U/C. NO AIRCRAFT OBSERVED.	2213N 08108W	0586		280	2
JAGUEY GRANDE AREA, AFLD IMMEDIATELY W OF TANGUE. 3,800 X 100 FT ENE/WSW PROBABLE GRAVEL RUNWAY.	2230N 08109W	0586		90B	2

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JAGUEY GRANDE, AFLD AIRFIELD IS OVERGROWN WITH BUSHES.	2231N 08107W	0586		90A	2
SANTA RITA AIRFIELD 5 NM ESE OF SANTA RITA DE BARO. 2,000 X 150 FT E/W SOD RUNWAY.	2240N 08101W	0586		185	2
PEDRO BETANCOURT, PROBABLE LANDING STRIP 1 NM SSE OF PEDRO BETANCOURT. 1,900 X 45 FT N/S PROBABLE GRAVEL RUNWAY. PROBABLE SUPPORT AREA LOCATED AT SOUTH END OF RUNWAY.	2243N 08117W	0586		139B	2
GOMEZ MENA AFLD 2 NM S OF SAN NICOLAS DE BARI. 2,600 X 100 FT NE/SW DIRT & SOD RUNWAY. HAS 900 FT OVERRUN. AIRCRAFT -- 3 LIAISON-TYPE.	2245N 08155W	0586		80	2
VEGAS, AFLD NO AIRFIELD IN AREA.	2248N 08148W	0586		202	2
PLAYA DE ROSARIO, AIRFIELD U/C 1 NM N OF PLAYA DE ROSARIO, 8 NM S OF GUINES. 2,000 X 60 FT N/S PROBABLE CRUSHED STONE RUNWAY U/C. NOT LISTED IN ASSOTW.	2242N 08202W	0586		283	2
OCEGUERA, LANDING FIELD NOT LOCATED AT THESE COORDINATES.	2246N 08254W	0586		135	2
SAN ANTONIO DE LOS BANOS AFLD 7,270 X 150 FT NE/SW CONCRETE RUNWAY, 6,950 X 150 FT N/S CONCRETE RUNWAY, 6,950 X 150 FT NW/SE CONCRETE RUNWAY. AIRCRAFT -- 6 T-33, 11 B-26, 1 C-47, 1 LODESTAR, 2 P-51, 1 C-45, 4 SEA FURY, 4 TBM, 5 T-6, 1 POSSIBLE P-47, 1 CESSNA 310, 7 U/I PISTON SINGLE-ENGINE. ONE 6-GUN LIGHT ANTIAIRCRAFT POSITION AT SW END OF NE/SW	2252N 08231W	0586		164	2

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25X1

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City, Installation	Coordinates	WAC	Target Numbers		Sbj
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RUNWAY, AND THREE 3-GUN OCCUPIED ANTI-AIRCRAFT EMPLACEMENTS. THE 6-GUN POSITION AND AT LEAST ONE OF THE 3-GUN EMPLACEMENTS ARE NEW [REDACTED]					
SAN ANTONIO DE LOS BANOS AREA, AFLD 3.5 NM NW OF SAN ANTONIO DE LOS BANOS. 3,900 X 100 FT NE/SW SOD RUNWAY. NO AIRCRAFT OBSERVED.	2256N 08233W	0586		164A	2
MANAGUA, AFLD 3,100 X 150 FT E/W GRAVEL RUNWAY. 1,700 FT SOD OVERRUN TO E. NO AIRCRAFT OBSERVED. AIRFIELD IS NOT LISTED IN ASSOTW.	2258N 08217W	0586		111B	2
MENENDEZ AFLD AIRFIELD NOT OBSERVED, PROBABLY RETURNED TO AGRICULTURE.	2304N 08048W	0586		124	2
PEPE BARRIENTOS AIRFIELD 2.5 NM ESE OF MATANZAS. NE/SW SOD RUNWAY. NW/SE DIRT RUNWAY. BOTH RUNWAYS IN POOR STATE OF REPAIR. NO AIRCRAFT OBSERVED.	2301N 08132W	0586		120B	2
CORONEL PASCUAL AIRFIELD 1.7 NM SW OF VARADERO. 7,000 X 150 FT ENE/WSW BLACKTOP RUNWAY. VEGETATION ON PARKING APRON. NO AIRCRAFT OBSERVED.	2307N 08117W	0586	[REDACTED]	201	2
CARDENAS BAY AREA, AFLD .5 NM S OF PUNTA DE MOLAS. 1,300 X 70 FT ENE/WSW PROBABLY CORAL RUNWAY.	2311N 08107W	0586		31D	2

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CARDENAS BAY SEAPLANE STATION 7 NM NE OF VARADERO. NO AIRCRAFT VISIBLE.	2311N 08108W	0586		31	2
JOSE MARTI INTERNATIONAL AFLD 4 NM S OF HAVANA AT 22-59-40N 82-24-10W 7,060 X 150 FT NE/SW CONCRETE & BLACKTOP RUNWAY. AIRCRAFT -- 1 PBV, 3 C-47, 11 C-46, 3 C-54, 1 LOCKHEED SUPER CONSTELLATION, 1 LOCKHEED CONSTELLATION, 4 VICKERS VISCOUNT, 3 POSSIBLE BRITANNIA, 4 U/I PISTON SINGLE-ENGINE. ASSOTW LISTS COORDINATES AS 23-01N 82-24W.	2300N 08224W	0586		86I	2
JOFIKINI WAJAY AIRFIELD 1.5 NM WEST OF WAJAY. NE/SW RUNWAY 2500 FT X 200 FT SOD SURFACE PROBABLY SERVICEABLE. NO AIRCRAFT OBSERVED.	2300N 08226W	0586		96	2
MARIEL NAVAL AIR STATION 6,000 X 150 FT NE/SW CONCRETE RUNWAY. NO AIRCRAFT OBSERVED.	2300N 08246W	0586		117E	2
PARLA CUBAN NAVAL AIR BASE NO AIRCRAFT OBSERVED.	2300N 08246W	0586		117F	2
DOMINGO ROSILLO AIRFIELD 3.5 NM SW OF SANTA FE. 5,400 X 150 FT NNE/SSW PROBABLE BLACKTOP RUNWAY. AIRCRAFT -- 2 U/I PISTON SINGLE-ENGINE, 1 C-47, 3 HOUND, 2 HARE, 4 POSSIBLE HARE. 8 SHIPPING CRATES. THIS AIRFIELD WAS REPORTED AS BARACOA AIRFIELD IN [REDACTED] AND IN OAR 3003-PRELIMINARY REPORT.	2302N 08235W	0586		22	2
SANTA FE AIRFIELD 6 NM WSW OF HAVANA, AT 23-04-20N 82-30-40W. AIRCRAFT -- 4 LIAISON TYPE. ASSOTW LISTS	2304N 08231W	0586		86J	2

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25X1A

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TOP SECRET

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25X1

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25X1A

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City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
COORDINATES AS 23-02N 82-33W.					
25X1A CAMPO LIBERTAD AIRFIELD IN HAVANA, AT 23-05-40N 82-26-20W. AIRCRAFT -- 1 C-82 MINUS ENGINES, 1 PBY, 6 B-26, 1 C-46, 1 TBM, 1 PROBABLE AERO COMMANDER, 1 PROBABLE C-45, 1 CESSNA 310, 9 LIAISON TYPE, 6 U/I PISTON SINGLE-ENGINE FIGHTER, 2 U/I PISTON SINGLE-ENGINE, 1 U/I HELICOPTER. 52 PIECES OF FIELD ARTILLERY (PROBABLY 76 MM); 24 POSSIBLE FIELD ARTILLERY PIECES, TWO 3-GUN ANTIAIRCRAFT (MACHINE GUN) POSITIONS, AND TWO 3-GUN ANTIAIRCRAFT (MACHINE GUN) POSITIONS PROBABLY U/C ARE DISPERSED AROUND AIRFIELD. 9 HIP-ROOF BLDGS, 125 X 25 FT, AND 2 SMALLER BLDGS, PROBABLY WOOD CONSTRUCTION, HAVE BEEN BUILT BETWEEN THE 2 MAIN RUNWAYS	2306N 08226W	0586		86B	2
25X1D [REDACTED] BLDGS ARE PARTIALLY BELOW GROUND, WITH ONLY THE ROOFS ABOVE GROUND LEVEL. EARTH RAMPS, CAPABLE OF HANDLING CARGO TRUCKS, SERVE EACH BLDG.					
BACURANAO AFLD 2,400 X 125 FT E7W SOD RUNWAY. THREE HANGARS--60 X 30 FT, 55 X 30 FT, AND 55 X 35 FT. ONE ADMIN-TYPE BLDG 175 X 30 FT. AIRCRAFT -- 2 LIAISON.	2308N 08214W	0586		15	2
SIGUANEA NO MILITARY ACTIVITY OBSERVED.	2138N 08258W	0586		190	3
ISLE OF PINES, MILITARY ACTIVITY NO UNUSUAL MILITARY ACTIVITY WAS OBSERVED. REPORTED MILITARY UNITS NOT LOCATED.	2140N 08250W	0586		89	3

25X1

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

TOP SECRET

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbi
			BE	OAR	
ISLE OF PINES AREA NO MILITARY ACTIVITY NOTED.	2140N 08250W	0586		89A	3
NUEVA GERONA MILITARY ACTIVITY NO UNUSUAL ACTIVITY NOTED.	2153N 08248W	0586		133C	3
SANTA CLARA, MILITARY ACTIVITY NO ACTIVITY OBSERVED.	2224N 07958W	0586		177B	3
CIENFUEGOS, NAVAL STATION NO LARGE SHIPPING ACTIVITY NOTED. SOME SMALL VESSELS DOCKED.	2209N 08027W	0586		51I	3X
BAHIA DE COCHINOS AREA, MILITARY ACTIVITY CONSTRUCTION, AS OBSERVED [REDACTED] CONTINUES ON 2 NEW AIRFIELDS IN AREA (SEE OAR TARGETS [REDACTED]) NO OTHER UNUSUAL ACTIVITY.	2205N 08108W	0586		16	3
GUANAJAY AREA, INSTITUTO CIVICO MILITAR 5 NM SE OF GUANAJAY. 11 LARGE MULTISTORY BUILDINGS, ATHLETIC FIELD.	2251N 08238W	0586		215	3X
MANAGUA, MILITARY RESERVATION 8 TANKS, 1 POSSIBLE TANK, 7 PROBABLE ARMORED CARS, 1 TRACTOR TRAILER, 25 TO 30 MISCELLANEOUS VEHICLES. PROBABLE 4-GUN ANTIAIRCRAFT POSITION JUST NORTH OF BARRACKS. REVETMENTS AND TRENCHES UNDER CONSTRUCTION IN HILLS SOUTH OF BARRACKS. EARTH-COVERED BUNKERS NEARLY COMPLETE.	2258N 08218W	0586		111	3X
MARIEL, NAVAL ACADEMY 7 BUILDINGS.	2259N 08244W	0586		117G	3X
MATANZAS, PORT & NAVAL ACTIVITY ONLY NW PORTION OBSERVED. NO NAVAL ACTIVITY OBSERVED.	2303N 08134W	0586		120G	3

25X1D

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Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

TOP SECRET

25X1

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbi
			BE	OAR	
MARIEL, NAVAL AMMO STORAGE NOT LOCATED.	2300N 08244W	0586		117B	3C
BAHIA DE CABANAS AREA NO MILITARY ACTIVITY OBSERVED.	2300N 08258W	0586		2	3
PLAYA VISTA DEL MAR, PROB MILITARY ACTIVITY POSSIBLE MILITARY TRAINING AREA. NUMEROUS POSSIBLE LIGHT GUN REVETMENTS SCATTERED IN AND AROUND RESORT AREA. LONG LINE OF PROBABLE AUTOS ON ROAD LEADING TO MARIEL.	2301N 08250W	0586		279	3
HAVANA MILITARY ACADEMY AT 23-04-15N 82-28-40W.	2304N 08229W	0586		86K	3
HAVANA, CAMPO LIBERTAD (CAMPO COLUMBIA) AT 23-05-20N 82-25-45W. AREA CONTAINS 20 T-SHAPED BUILDINGS, POSSIBLE BARRACKS, 11 MAJOR ADMINISTRATION BUILDINGS, 87 QUARTERS-TYPE BUILDINGS, A MICROWAVE STATION, AND NUMEROUS ASSOCIATED BUILDINGS. NO EQUIPMENT OBSERVED.	2305N 08226W	0586		86C	3X
HAVANA, SAN ANTONIO NAVAL ARSENAL 2 BUILDINGS, ONE ENCLOSED BY WALL.	2307N 08221W	0586		162	3C
HAVANA, CASTILLO DE PRINCIPE AT 23-07-50N 82-23-10W.	2308N 08223W	0586		860	3B
HAVANA, NAVAL ARSENAL (CASA BLANCA) INSTALLATION HAS DOCK FACILITIES, MARINE RAILWAY, POSSIBLE DRY DOCK, POSSIBLE FLOATING DRY DOCK, WAREHOUSES, AND ADMINISTRATIVE BUILDINGS. 4 NAVAL VESSELS, 6 SEAGOING FREIGHTERS, APPROX 40 SMALL CRAFT.	2309N 08220W	0586		33	3C

25X1

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

TOP SECRET

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
HAVANA, NAVAL ENLISTED TRAINING CENTER AT 23-08-50N 82-20-40W.	2309N 08221W	0586		86M	3A
HAVANA AREA, CASTILLO DE MORRO OFFICERS SCHOOL AT 23-09-05N 82-21-25W.	2309N 08221W	0586		86N	3
HAVANA, LA CABANA NO UNUSUAL ACTIVITY OBSERVED.	2309N 08221W	0586		86P	3X
HAVANA AREA, MILITARY DEFENSES NO MILITARY DEFENSES OBSERVED EXCEPT ONE COASTAL DEFENSE POSITION WHICH APPEARS INACTIVE.	2309N 08222W	0586		86L	3B
CASILDA, POL STORAGE AREA 6 LARGE STORAGE TANKS AND 10 SMALL STORAGE TANKS.	2145N 07959W	0586		34	4C
CIENFUEGOS, POL STORAGE (ESSO STANDARD OIL) TWO BULK STORAGE TANKS.	2208N 08028W	0586		51D	4C
CIENFUEGOS, POL STORAGE (SINCLAIR) THREE STORAGE TANKS.	2209N 08028W	0586		51E	4C
CIENFUEGOS, POL STORAGE (TEXACO) ONE LARGE TANK.	2209N 08028W	0586		51F	4C
LA ISABELA (ISABELA DE SAGUA), POL STORAGE 5 STORAGE TANKS.	2257N 08001W	0586		99	4C
MANAGUA, EXPLOSIVES-STORAGE AREA 3 NM SW OF MANAGUA. AREA CONTAINS 9 REVERTED STRUCTURES AND 10 SUPPORT BLDGS.	2256N 08220W	0586		111C	4E
MARIEL POL STORAGE ONE LARGE STORAGE TANK. NO UNUSUAL ACTIVITY.	2259N 08245W	0586		117D	4C

TOP SECRET

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
CARDENAS, POL STORAGE NOT LOCATED.	2302N 08113W	0586		31B	4C
MATANZAS, POL STORAGE (RAYONERA CUBANA) NW OF MATANZAS. TANK STORAGE ASSOCIATED WITH TEXTILE MILL. 2 LARGE TANKS.	2304N 08133W	0586		120C	4C
MATANZAS, POL STORAGE NOT LOCATED.	2304N 08133W	0586		120D	4C
MATANZAS, POL STORAGE (TEXACO) 1 NM NE OF MATANZAS.	2304N 08133W	0586		120E	4C
HAVANA, POL STORAGE AREA JUST E OF CUBAN PETROLEUM CO, AT 23-06-55N 82-19-50W. 11 VERTICAL STORAGE TANKS, 1 WAREHOUSE.	2307N 08220W	0586		86B4	4C
HAVANA, POL STORAGE (CUBAN PETROLEUM CO) AT 23-07-00N 82-20-10W. INSTALLATION INCLUDES 4 STORAGE TANKS.	2307N 08220W	0586		86T	4C
HAVANA, POL STORAGE (SINCLAIR) AT 23-06-50N 82-19-35W. INSTALLATION INCLUDES 4 LARGE AND 5 SMALL STORAGE TANKS.	2307N 08220W	0586		86U	4C
AMAZONAS, SUGAR MILL	2141N 07926W	0586		7	5J
TRINIDAD, SUGAR MILL 8 NM ENE OF TRINIDAD.	2150N 07950W	0586		196A	5J
TRINIDAD AREA, NEW PROBABLE CIGAR FACTORY 7 NM NE OF TRINIDAD.	2151N 07951W	0586		196C	5
JATIBONICO, OIL FIELD 3 NM NE OF JATIBONICO.	2158N 07907W	0586		94	5A

TOP SECRET

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
SANCTI SPIRITUS AREA, TUINICU SUGAR MILL 5 NM NNE OF SANCTI SPIRITUS.	2159N 07925W	0586		198	5J
SIGUANEA, TUNGSTEN MINES ISLE OF PINES. 1 NM SSW OF SIGUANEA AFLD. ACTIVE. LARGE OPEN PITS.	2137N 08258W	0586		190A	5A
CABAIGUAN, OIL REFINERY	2204N 07930W	0586		24	5J
JATIBONICO, SUGAR MILL	2208N 07903W	0586		94A	5J
ANTONIO, PYRITES MINE JUST S OF AGABAMA.	2208N 07945W	0586		11	5A
FOMENTO AREA, ESCAMBRAY SUGAR MILL 3 NM NW OF FOMENTO.	2208N 07945W	0586		75B	5J
JARAHUECA, OIL FIELD NO DERRICKS OR DRILLING IN AREA.	2214N 07917W	0586		91	5A
JARAHUECA, OIL REFINERY NO REFINERY LOCATED IN AREA.	2214N 07920W	0586		91A	5J
NELA, SUGAR MILL	2219N 07904W	0586		131	5J
PLACETAS AREA, SAN JOSE SUGAR MILL	2219N 07935W	0586		228	5J
VITORIA, SUGAR MILL	2220N 07913W	0586		208A	5J
NARCISA, SUGAR MILL	2220N 07915W	0586		130	5J
ZULUETA, SAN PABLO SUGAR MILL	2221N 07936W	0586		210A	5J
SAN ANDRES AREA, FIDENCIA SUGAR MILL	2221N 07939W	0586		161	5J
BUENA VISTA AREA, ADELA SUGAR MILL	2223N 07930W	0586		247	5J

TOP SECRET

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
CAMAJUANI, SUGAR MILL	2226N 07941W	0586		28	5J
REMEDIOS, REMEDIOS MINE MINE, ORE CRUSHER, PROCESSING BLDG, ASSOCIATED U/I BLDG. RAIL SERVED.	2229N 07937W	0586		157	5J
CAIBARIEN AREA, REFORMA SUGAR MILL 1.7 NM SW OF CAIBARIEN.	2230N 07930W	0586		26C	5J
SANTA CLARA AREA, CARMITA SUGAR MILL IN AGUA.	2230N 07949W	0586		177	5J
VEGA ALTA AREA, CARMITA SUGAR MILL	2230N 07949W	0586		246	5J
ESTRELLA AREA, NAZABAL SUGAR MILL 2 NM NW OF ESTRELLA.	2245N 07946W	0586		222	5J
SOLEDAD, SOLEDAD SUGAR MILL	2207N 08020W	0586		192	5J
LOS GUAOS, IRON-ORE MINE STRIP MINING. 4 BUILDINGS IN AREA.	2208N 08019W	0586		104	5A
SAN FERNANDO, COPPER MINE AND MILL 5 NM SW OF MATAGUA.	2212N 08005W	0586		167	5A
LOS MANGOS, PYRITES MINE 5 NM SW OF MATAGUA.	2212N 08006W	0586		106	5A
CONSTANCIA, SUGAR MILL	2214N 08035W	0586		56A	5J
CONSTANCIA AREA, MANUELITA SUGAR MILL 3 NM W OF CONSTANCIA.	2215N 08032W	0586		56B	5J
ROSARIO AREA, COVADONGA SUGAR MILL 1.4 NM SE OF ROSARIO.	2216N 08052W	0586		158	5J

25X1

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

TOP SECRET

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
PALMIRA AREA, HORMIGUERO SUGAR MILL 3 NM NE OF PALMIRA.	2217N 08021W	0586		232	5J
PALMIRA AREA, PORTUGALETE SUGAR MILL 2.5 NM NW OF PALMIRA.	2217N 08025W	0586		231	5J
SAN JUAN DE LOS YERAS, PASTORA SUGAR MILL 3 NM ESE OF SAN JUAN DE LOS YERAS.	2219N 08003W	0586		234	5J
CRUCES AREA, ANDREITA SUGAR MILL	2219N 08016W	0586		59	5J
CRUCES, SAN AGUSTIN SUGAR MILL	2221N 08018W	0586		59B	5J
PERSEVERANCIA, SUGAR MILL	2221N 08046W	0586		142	5J
RANCHUELA AREA, SANTA MARIA SUGAR MILL 2.5 NM W OF RANCHUELO.	2222N 08012W	0586		154A	5J
CONGOJAS AREA, PARQUE ALTO SUGAR MILL	2222N 08031W	0586		260	5J
WASHINGTON, SUGAR MILL	2235N 08019W	0586		209	5J
ULACIA, SUGAR MILL	2240N 08012W	0586		200	5J
CIFUENTES AREA, UNIDAD SUGAR MILL 2.9 NM NE OF CIFUENTES.	2241N 08001W	0586		52A	5J
CORAZON DE JESUS, SUGAR MILL	2243N 08003W	0586		57	5J
SITIECITO, SANTA TERESA SUGAR MILL	2245N 08005W	0586		244	5J
SAN ISIDRO, SUGAR MILL 1.5 NM W OF QUEMADO DE GUINES.	2247N 08017W	0586		170	5J
SAGUA LA GRANDE, CHEMICAL PLANT SOUTH EDGE OF SAGUA LA GRANDE. PLANT IS PROBABLY ACTIVE.	2248N 08004W	0586		159C	5

TOP SECRET

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

25X1B

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
RANCHO VELOZ AREA, RESOLUCION SUGAR MILL 4.3 NM SE OF RANCHO VELOZ.	2250N 08020W	0586		237	5J
TANGUE, JAGUEY GRANDE SUGAR MILL	2230N 08108W	0586		90	5J
PEDROSO AREA, SOCORRO SUGAR MILL 2 NM WNW OF PEDROSO.	2239N 08120W	0586		220	5J
SANTA RITA DE BARO, SUGAR MILL 5 NM ESE OF AGRAMONTE.	2240N 08102W	0586		185A	5J
AGRAMONTE, UNION SUGAR MILL 1.5 NM NW OF AGRAMONTE. MAIN BUILDINGS HAVE BEEN TORN DOWN. PLANT NO LONGER IN EXISTENCE.	2242N 08108W	0586		10	5J
PEDRO BETANCOURT AREA, CUBA SUGAR MILL .5 NM NW OF PEDRO BETANCOURT.	2244N 08118W	0586		139A	5J
CONCHITA, SUGAR MILL	2244N 08132W	0586		55	5J
SAN NICOLAS DE BARI, GOMEZ MENA SUGAR MILL 2 NM SE OF SAN NICOLAS DE BARI.	2245N 08153W	0586		211	5J
QUIVICAN AREA, OCCIDENTE SUGAR MILL 3 NM SW OF QUIVICAN.	2247N 08123W	0586		243	5J
DOLORES, SUGAR MILL 5 NM N OF PEDRO BETANCOURT.	2248N 08118W	0586		61	5J
JOVELLANOS, SUGAR MILL 3 NM ENE OF JOVELLANOS.	2249N 08108W	0586		191	5J

25X1

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

TOP SECRET

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
JOSEFITA, SUGAR MILL 1 NM NE OF PALOS.	2249N 08144W	0586		97	5J
LIMONES, SUGAR MILL	2253N 08125W	0586		101	5J
CAROLINA, SUGAR MILL 1.5 NM ENE OF COLISEO.	2255N 08117W	0586		32	5J
SANTA AMALIA, SUGAR MILL 1 NM NE OF COLISEO.	2255N 08118W	0586		176	5J
MADRUGA AREA, SAN ANTONIO SUGAR MILL 1 NM W OF MADRUGA.	2255N 08152W	0586		109	5J
MADRUGA, OIL FIELD ON S SIDE OF HIGHWAY 1.5 NM WSW OF MADRUGA.	2255N 08153W	0586		109A	5A
PROGRESO, SUGAR MILL 2.8 NM NE OF LAGUNILLAS.	2258N 08110W	0586		148	5J
SAN IGNACIO, SUGAR MILL	2259N 08108W	0586		169	5J
LAGUNILLAS AREA, POSS ORE-PROCESSING INDUSTRY 2.9 NM NE OF LAGUNILLAS.	2259N 08110W	0586		148A	5J
TRIUNFO, SUGAR MILL 3 NM NE OF LIMONAR.	2259N 08122W	0586		197	5J
AGUACATE, ROSARIO SUGAR MILL	2259N 08150W	0586		3	5J
GUINES AREA, PROVIDENCIA SUGAR MILL 3.5 NM S OF GUINES.	2247N 08202W	0586		149	5J
ARTEMISA, CEMENT PLANT	2248N 08241W	0586		13	5J

TOP SECRET

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
ARTEMISA AREA, SANTA THERESA LIME PLANT 1.5 NM ESE OF CANAS.	2248N 08241W	0586		13D	5J
ARTEMISA AREA, ANDORRA SUGAR MILL	2248N 08248W	0586		13A	5J
MELENA DEL SUR AREA, MERCEDITA SUGAR MILL	2249N 08209W	0586		123	5J
AMISTAD, SUGAR MILL	2250N 08200W	0586		8	5J
EL GABRIEL AREA, FAJARDO SUGAR MILL 1 NM NE OF EL GABRIEL.	2250N 08227W	0586		66	5J
ARTEMISA AREA, PILAR SUGAR MILL 2 NM N OF ARTEMISA.	2250N 08245W	0586		13C	5J
SAN JOSE DE LAS LAJAS, 2 NEW INDUSTRIAL PLTS 3.5 NM SE OF SAN JOSE DE LAS LAJAS. ONE IS PROBABLY DUPONT CROP-PROCESSING PLANT. THE OTHER, A LIGHT INDUSTRY, IS PROBABLY REYNOLDS ALUMINUM PLANT.	2256N 08205W	0586		172B	5Q
BAUTA AREA, ARIGUANABO TEXTILE PLANT 3 NM S OF BAUTA. 1 LARGE COMPLEX BLDG.	2256N 08233W	0586		22A	5Q
SAN JOSE DE LAS LAJAS, INDUSTRIAL AREA 1.5 NM SE OF SAN JOSE DE LAS LAJAS. INDUSTRIAL AREA CONTAINING 1 LIGHT FABRICATION PLANT, 1 POSSIBLE DISTILLATION PLANT, AND 1 U/I INDUSTRIAL PLANT.	2257N 08208W	0586		172C	5
SAN JOSE DE LAS LAJAS, COPPER FABRICATION PLT 2 NM SE OF SAN JOSE DE LAS LAJAS.	2257N 08209W	0586		172	5Q
MARIEL AREA, SAN RAMON SUGAR MILL 1 NM S OF MARIEL.	2257N 08246W	0586		117H	5J

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
SAN JOSE DE LAS LAJAS, IRON & STEEL PLANT 1 NM NW OF SAN JOSE DE LAS LAJAS.	2258N 08210W	0586		172A	5Q
PORTUGALETE, SUGAR MILL 5 NM WNW OF SAN JOSE DE LAS LAJAS.	2259N 08212W	0586		147	5J
MERCEDITAS, SUGAR MILL	2259N 08254W	0586		126	5J
CARDENAS, DISTILLERY PLANT PLANT HAS 3 LARGE BUILDINGS, 5 TANKS OF VARIOUS SIZES, AND 5 STORAGE BUILDINGS.	2302N 08112W	0586		31A	5J
CORRAL NUEVO AREA, ELENA SUGAR MILL 3 NM SW OF CORRAL NUEVO.	2302N 08143W	0586		58A	5J
CORRAL NUEVO, GYPSUM QUARRY QUARRY NOT LOCATED.	2303N 08140W	0586		58	5J
MATANZAS, NEW CHEMICAL PLANT 2 NM NE OF MATANZAS. NEW CHEMICAL PLANT, PARTIALLY COMPLETED, PARTIALLY IN PRELIMINARY STAGES OF CONSTRUCTION. AT LEAST 18 BUILDINGS WITH TANKS, FRACTIONATING TOWERS, AND OTHER CHEMICAL PROCESSING EQUIPMENT. ROAD SERVED.	2304N 08132W	0586		120L	5J
MATANZAS, TEXTILE MILL .5 NM NE OF MATANZAS.	2304N 08133W	0586		120H	5Q
MATANZAS, FERTILIZER PLANT	2304N 08133W	0586		120J	5J

25X1B

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

TOP SECRET

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25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
MARGET, PYRITES MINE SMALL MINING OPERATION, STATUS UNDETERMINED	2304N 08138W	0586		115	5A
GUASIMAS AREA, DOS ROSAS SUGAR MILL 2.2 NM S OF KAWAMA.	2305N 08118W	0586		63	5J
HERSHEY, SUGAR MILL	2308N 08157W	0586		87A	5J
HAVANA, HABANA SUGAR MILL 1 NM ENE OF BANES.	2301N 08237W	0586		86A	5J
MARIEL, CEMENT PLANT PLANT IS IN OPERATION.	2301N 08245W	0586		117C	5J
EL COTORRO, CABILLAS IRON & STEEL PROC PLT AN INSTALLATION AT 2302N/8215W IS POSSIBLY THE ABOVE PROC PLT. RAIL SERVED. OPEN STORAGE, HEAT TREATMENT BUILDING, TRAVELING CRANE, 2 SHEDS.	2302N 08215W	0586		65	5J
JARUCO, CEMENT PLANT NOT LOCATED.	2303N 08200W	0586		93	5J
EL COTORRO, ANTILLANA DE ACERO IRON & STEEL PT 5 NM SE OF HAVANA. 1 FURNACE BUILDING WITH 3 STACKS, 2 MILL BUILDINGS, RAIL SERVED.	2303N 08216W	0586		65A	5J
EL COTORRO, OIL REFINERY PLANT NOT OBSERVED AT THESE COORDINATES.	2303N 08216W	0586		65B	5J
HAVANA AREA, TOLEDO SUGAR MILL AT 23-03-10N 82-25-20W.	2303N 08225W	0586		86V	5J

25X1B

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
HAVANA AREA, MARIANAO TIRE FACTORY 1.5 NM ESE OF CAMPO LIBERTAD AIRFIELD, ON NORTH SIDE OF RAILROAD. FIRESTONE INTERAMERICA COMPANY. APPEARS TO BE ACTIVE.	2304N 08226W	0586		116	5Q
HAVANA (CAMPO LIBERTAD) AMMO PLANT PLANT NOT LOCATED AT THESE COORDINATES.	2305N 08227W	0586		86D	5Q
GUANABACOA IRON AND STEEL PROCESSING PLANT COMPLEX BUILDING, OPEN STORAGE, 2 MOBILE CRANES.	2307N 08218W	0586		82	5J
HAVANA, OIL REFINERY (SHELL) AT 23-06-45N 82-19-40W.	2307N 08220W	0586		86R	5J
BACURANAO, OIL FIELD NO OIL FIELD OBSERVED AT THESE COORDINATES.	2308N 08214W	0586		15A	5A
BACURANAO, OIL REFINERY NOT OBSERVED AT THESE COORDINATES.	2308N 08214W	0586		15B	5J
HAVANA, OIL REFINERY (ESSO) AT 23-08-10N 82-19-30W. 75 PERCENT OF AREA OBSERVED. INSTALLATION INCLUDES 80 STORAGE TANKS OF VARIOUS SIZES.	2308N 08220W	0586		86S	5J
SANTA MARIA DEL MAR, OIL FIELD 1 NM S OF SANTA MARIA DEL MAR. THREE CIRCULAR STORAGE TANKS, MISCELLANEOUS SHEDS, ONE PUMP STATION. A SECOND AREA WITHIN THE CITY PROPER AT 2310N 08211W CONTAINS SEVERAL POSSIBLE PUMP STATIONS AND THREE TANKS.	2311N 08211W	0586		183	5A
CASILDA, PORT FACILITIES 2 SHORT PIERS, ALONGSIDE QUAY.	2145N 07959W	0586		34A	6G

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Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

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City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
SIGUANEA AREA, PORT FACILITIES 1.5 NM SW OF SIGUANEA. IMPROVED HARBOR WITH ALONGSIDE QUAY AND PROTECTED HARBOR AREA. 2 SMALL STORAGE BLDGS.	2136N 08259W	0586		190E	6G
JUCARO, PORT FACILITIES 3 DREDGED SLIPS FOR SMALL CRAFT ON JUCARO RIVER. 1 BARGE.	2149N 08244W	0586		281	6G
NUEVO GERONA, PORT FACILITIES ISLE OF PINES. THIS COMPLEX HAS NOT CHANGED AMS SERIES E723, SHEET 3681 IV. PORT HAS NUMEROUS ALONG-SHORE WHARVES. 3 STEAMERS AND NUMEROUS SMALL BOATS.	2153N 08248W	0586		133B	6G
CENTRAL NELA, PIER FACILITIES 1.5 NM ESE OF CAYO PALMA. 1 LONG PIER, WITH PROBABLE STORAGE TANK AND OFF-LOADING FACILITIES AT END OF PIER.	2223N 07904W	0586		45	6G
VITORIA, PORT FACILITY 2.7 NM NNE OF VITORIA. PIER WITH RR. NUMEROUS SMALL BOATS.	2223N 07912W	0586		208	6G
CAIBARIEN, PORT FACILITIES 8 COVERED PIERS, 3 OPEN PIERS, 22 MAJOR STORAGE BLDGS, 3 STORAGE TANKS, NUMEROUS SMALL PIERS. ROAD AND RAIL SERVED.	2232N 07928W	0586		26A	6G
CIENFUEGOS, THERMAL POWER PLANT	2208N 08027W	0586		51G	6E
CIENFUEGOS, PORT FACILITIES 1 TANKER, 6 OIL BARGES, 4 AUXILIARY OILERS, NUMEROUS SMALL VESSELS.	2209N 08027W	0586		51A	6G
CIENFUEGOS, THERMAL POWER PLANT	2210N 08027W	0586		51H	6E

25X1

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

TOP SECRET

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
CARAHATAS, PORT FACILITY 5.6 NM ENE OF RANCHO VELOZ. 1 LARGE PIER AND 16 SMALL PIERS.	2255N 08018W	0586		235	6G
LA ISABELA, PORT FACILITIES 5 MAJOR PIERS, 2 OF WHICH ARE COVERED. NUMEROUS SMALL PIERS ON BOTH SIDES OF PENINSULA. 5 LARGE WAREHOUSES, RAIL AND ROAD SERVED. 2 CARGO VESSELS IN PORT.	2256N 08001W	0586		99A	6G
PANCHITA, PORT FACILITY 4 NM NNW OF RANCHO VELOZ. APPROXIMATELY 25 PIERS FOR SMALL CRAFT.	2257N 08025W	0586		233	6G
PLAYA CAIMITO, PORT 6.6 NM SSE OF SAN NICOLAS DE BARI. POSSIBLY 7 PIERS. NO BOATS OBSERVED.	2241N 08152W	0586		225	6G
BATABANO, PORT FACILITIES 1 LARGE PIER, 1 RAIL-SERVED PIER, 1 BREAK- WATER/PIER WITH CARGO SHIP TIED UP ALONG- SIDE. SEVERAL WAREHOUSES.	2241N 08218W	0586		21	6G
PLAYA DEL CAJIO, PORT 9.7 NM W OF SURGIDERO DE BATABANO. 4 PIERS. NO BOATS OBSERVED.	2241N 08228W	0586		227	6G
CABANAS, PORT FACILITIES NUMEROUS SMALL VESSELS IN PORT. NO UNUSUAL ACTIVITY.	2259N 08256W	0586		25	6G
CARDENAS, PORT FACILITIES SEVEN PIERS OF VARIOUS SIZES, AT LEAST 2 MARINE RR, MOLASSES STORAGE TANKS, COVERED STORAGE, AND HANDLING FACILITIES. PORT HAS LARGE RR YARD. ONE FREIGHTER AND NUMEROUS SMALL BOATS IN PORT.	2302N 08112W	0586		31C	6G

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
MATANZAS, PORT FACILITIES A NEW PIER AND TWO WAREHOUSES HAVE BEEN CONSTRUCTED. 2 CARGO SHIPS AT DUBROCA PIER, 2 CARGO SHIPS AT PIER CONSTRUCTED SINCE AMS SERIES E 723, SHEET 3885 II, 1ST ED. NO CARGO DISCERNIBLE.	2303N 08134W	0586		120F	6G
MATANZAS, POWER PLANT 1 NM NE OF MATANZAS.	2304N 08132W	0586		120I	6E
KAWAMA, MARINA FOR SMALL CRAFT 3 PIERS, APPROXIMATELY 10 SMALL CRAFT.	2307N 08118W	0586		217	6G
HERSHEY, POWER PLANT	2308N 08157W	0586		87	6E
SANTA CRUZ DEL NORTE, PORT MINOR PORT, 2 SMALL PIERS AND 3 WHARF AREAS, CAPABLE OF HANDLING SMALL CRAFT.	2309N 08155W	0586		214A	6G
MARIEL, PORT FACILITIES TWO WHARVES ADDED. ONE IS NW OF MARANTE NO 1 AT LA BOCA, AND ONE IS AT MARANTE. BOTH ARE USED FOR DRY CARGO. THERE IS EXTENSIVE OPEN STORAGE OF DRY CARGO AT NEW WHARF AT MARIEL. 3 CARGO VESSELS AT DOCKS. 4 SMALL COASTAL BOATS.	2301N 08245W	0586		117	6G
BOCA RIO BANES, PORT FACILITIES JUST W OF HAVANA. ONE SMALL PIER, TWO STORAGE TANKS. NO ACTIVITY AT TIME OF OBSERVATION.	2302N 08238W	0586		23	6G
HAVANA, GAS WORKS AT 23-06-50N 82-21-15W. 5 LARGE GASOMETERS.	2307N 08221W	0586		86B1	6
HAVANA, POWER PLANT RINCON DE MELONES AT 23-07-10N 82-21-25W. INSTALLATION CONTAINS BOILERHOUSE, GENERATOR HALL,	2307N 08221W	0586		86W	6E

TOP SECRET

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
TRANSFORMER YARD, 4 POL STORAGE TANKS.					
HAVANA, TALLAPIEDRA POWER PLANT	2307N 08221W	0586		194	6E
HAVANA, REGLA POWER PLANT THERMAL-ELECTRIC PLANT.	2308N 08220W	0586		156	6E
HAVANA, PORT FACILITIES AT 23-08-00N 82-20-30W. 19 CARGO VESSELS, 2 TANKERS, 18 TO 20 SMALLER CRAFT. ALL BUT FIVE OF THE CARGO VESSELS ARE TIED UP AT PIERS.	2308N 08221W	0586		86	6G
HAVANA, PROBABLE THERMAL ELECTRIC POWER PLANT AT 23-08-32N 82-19-50W.	2309N 08220W	0586		86A1	6E
HAVANA, HARBOR TUNNEL ROAD TUNNEL UNDER ENTRANCE TO HAVANA HARBOR, AT 23-08-50N 82-21-25W.	2309N 08221W	0586		86A3	6A
SANTA CLARA URBAN COMPLEX NO APPARENT MILITARY ACTIVITY.	2225N 07957W	0586		177C	7
CIENFUEGOS URBAN COMPLEX	2209N 08027W	0586		51J	7
HOYO DE MANICARAGUA URBAN COMPLEX NO EVIDENCE OF MILITARY ACTIVITY.	2210N 08003W	0586		88	7
SAGUA LA GRANDE URBAN COMPLEX	2248N 08004W	0586		159A	7
ARTEMISA URBAN COMPLEX NO UNUSUAL ACTIVITY.	2249N 08246W	0586		13B	7
GUINES URBAN COMPLEX NO UNUSUAL ACTIVITY OBSERVED.	2250N 08202W	0586		219	7

TOP SECRET

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TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
SAN ANTONIO DE LOS BANOS URBAN COMPLEX NO UNUSUAL ACTIVITY.	2253N 08230W	0586		164B	7
GUANAJAY URBAN COMPLEX QUARRY WITH ROCK CRUSHER NORTHEAST OF TOWN. ELECTRIC POWER PLANT NOT OBSERVED.	2256N 08241W	0586		215A	7
SANTA CRUZ DEL NORTE URBAN COMPLEX MINOR COMPLEX, POSSIBLY SERVES INDUSTRIAL COMPLEX AT HERSHEY.	2309N 08155W	0586		214	7
HAVANA URBAN COMPLEX	2309N 08222W	0586		86A2	7
GUANABO URBAN COMPLEX	2310N 08208W	0586		83A	7
COJIMAR URBAN COMPLEX NO MILITARY ACTIVITY OBSERVED AT THIS LOCATION.	2310N 08217W	0586		53	7
SIGUANEA AFLD VICINITY, PROB NEW HOUSING AREA ISLE OF PINES. THIS INSTALLATION CONSISTS OF TWO PROBABLE HOUSING SITES. ONE SITE IS IN A VERY EARLY STAGE OF CONSTRUCTION. THE APPARENT BUILDING FOUNDATION PATTERN AND ISOLATED LOCATION SUGGEST ITS ULTIMATE USE MAY BE FOR DETENTION OF POLITICAL PRISONERS. THE OTHER SITE, PREVIOUSLY REPORTED BY NAVY, PARTIALLY OVERGROWN, AND APPEARS ABANDONED.	2139N 08256W	0586		190C	9

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TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
HAVANA, PRESIDENTIAL PALACE & CAPITOL BUILDING TWO BUILDINGS SEPARATED BY APPROXIMATELY 8 CITY BLOCKS. PALACE AT 23-08-30N, 82-21-25W, CAPITOL AT 23-08-10N 82-21-35W.	2308N 08221W	0586		86X	9

25X1B

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

TOP SECRET

25X1

TOP SECRET

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
PINAR DEL RIO, MICROWAVE SITE NO MICROWAVE SITE OBSERVED AT THESE COORDINATES. A LATTICE TOWER IS LOCATED AT 22-25N 83-41W, AND A POLE WITH HORN AND AN ASSOCIATED BLDG ARE LOCATED AT 22-26N 83-40W.	2225N 08343W	0587		32A	1A
MINAS DE MATAHAMBRE, MICROWAVE STATION .5 NM E OF MINAS DE MATAHAMBRE.	2235N 08356W	0587		26A	1A
SAN CRISTOBAL, MICROWAVE STATION TOWER AND ASSOCIATED BLDG ON E SIDE OF TOWN.	2243N 08302W	0587		41A	1A
SAN DIEGO DE LAS BANOS, MICROWAVE STATION 1 NM N OF SAN DIEGO DE LAS BANOS. 1 TOWER AND ASSOCIATED BLDG.	2244N 08322W	0587		59	1A
CONSOLACION DEL NORTE, MICROWAVE STATION MICROWAVE TOWER, ONE U-SHAPED PROBABLE ADMINISTRATION BUILDING, AND ONE BUILDING WHICH PROBABLY CONTAINS ELECTRONIC EQUIP.	2244N 08333W	0587		46	1A
SAN JULIAN, MICROWAVE SITE NO SITE OBSERVED AT THESE COORDINATES.	2207N 08408W	0587		36	1A
GUANE, MICROWAVE STATION 1 TOWER AND 2 BLDGS, LOCATED IN TOWN.	2212N 08405W	0587		58A	1A
MANTUA, MICROWAVE TOWER MICROWAVE TOWER AND ASSOCIATED BUILDING AT S END OF TOWN.	2217N 08417W	0587		25A	1A
LOS ARROYOS, MICROWAVE STATION MICROWAVE TOWER AND ASSOCIATED BUILDING.	2220N 08422W	0587		22B	1A

TOP SECRET

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
DIMAS AREA, MICROWAVE STATION .2 NM SSE OF DIMAS. MICROWAVE TOWER AND ASSOCIATED BUILDING.	2227N 08414W	0587		42A	1A
JACKSONVILLE AREA, ABANDONED AIRFIELD 1 NM NW OF JACKSONVILLE, ISLE OF PINES. AIRFIELD OVERGROWN WITH VEGETATION. NOT LISTED IN ASSOTW.	2131N 08306W	0587		61	2
SAN ANTONIO DE LOS INDIOS, AFLD ISLE OF PINES. 3,300 X 250 FT N/S SOD LANDING STRIP. ABANDONED. AIRFIELD NOT LISTED IN ASSOTW.	2144N 08302W	0587		52	2
CAYUCO, AFLD NO AIRFIELD LOCATED AT THESE COORDINATES.	2158N 08412W	0587		8	2
LA COLOMA, LANDING FIELD 3 NM NW OF LA COLOMA. 2,400 FT NE/SW SOD RUNWAY. STRIP APPEARS ABANDONED AND MAY HAVE SMALL BUSHES GROWING ON ONE END.	2215N 08337W	0587		16	2
LA COLOMA, LANDING STRIP 4 NM NW OF LA COLOMA. APPROX 2,200 X 50 FT SOD RUNWAY. RUNWAY BEING OVERGROWN BY VEGETATION. COULD BE USED BY LIGHT LIAISON-TYPE AIRCRAFT.	2217N 08338W	0587		16A	2
PINAR DEL RIO AREA, LANDING FIELD 6 NM SSW OF PINAR DEL RIO. NATURAL SURFACE. NOT LISTED IN ASSOTW.	2218N 08343W	0587		32F	2
BATEY, AFLD 3,275 X 140 FT SOD RUNWAY. 2,000 X 120 FT SOD RUNWAY.	2221N 08324W	0587		4	2

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

TOP SECRET

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TOP SECRET Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

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City, Installation	Coordinates	WAC	Target Numbers		Sbi
			BE	OAR	
PUERTA DE GOLPE AREA, AIRFIELD 4 NM SSW OF PUERTA DE GOLPE. NATURAL SURFACE, PROBABLY SERVICEABLE. AIRFIELD NOT LISTED IN ASSOTW.	2223N 08334W	0587		60	2
BATEY, AFLD 4.5 NM NE OF BATEY. 2,300 X 250 FT SOD LANDING AREA.	2224N 08320W	0587		4A	2
BATEY, AIRFIELD 4.5 NM NNW OF BATEY. AIRFIELD RETURNED TO CULTIVATION.	2225N 08326W	0587		4B	2
PINAR DEL RIO AFLD 1 NM ENE OF PINAR DEL RIO. 3,500 X 100 FT ENE/WSW BLACKTOP RUNWAY. FACILITIES INCLUDE ONE HANGAR WITH ASSOCIATED APRON, TWO PARKING APRONS, ONE WARMUP APRON, AND AN ADMIN BLDG. AIRCRAFT--6 LIAISON-TYPE IN HANGAR AREA.	2225N 08341W	0587		32	2
PUERTO DEL GUARDIERO, AFLD 3,500 X 125-170 FT E/W SOD RUNWAY.	2228N 08318W	0587		33	2
CONSOLACION DEL SUR AFLD 2 NM SE OF CONSOLACION DEL SUR. SMALL UTILITY FIELD, ABANDONED. AIRFIELD NOT LISTED IN ASSOTW.	2228N 08329W	0587		10	2
LA FRANCIA, AFLD 2,300 X 90 FT E/W SOD RUNWAY. SHED-ROOF AIRCRAFT SHELTER 50 X 30 FT NEAR NE END OF RUNWAY.	2232N 08313W	0587		19	2
EL PINAR, AIRFIELD SOD E/W RUNWAY. AIRFIELD NOT LISTED IN ASSOTW.	2233N 08302W	0587		13	2

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
SANTA LUCIA AFLD JUST E OF SANTA LUCIA. 2,900 X 150 FT NE/SW SOD RUNWAY. 1,900 X 80 FT NW/SE SOD RUNWAY. AIRFIELD IS SERVICEABLE. NO AIRCRAFT OBSERVED.	2240N 08358W	0587		37	2
VERRACOS AIRFIELD 1,500 X 90 FT E/W SOD RUNWAY. FIELD NOT POSITIVELY IDENTIFIED. AREA MEASURED IS PROBABLY AIRSTRIP REPORTED TO EXIST. COULD BE USED FOR LIGHT LIAISON-TYPE AIRCRAFT.	2247N 08338W	0587		40	2
LA MULATA AFLD 2.5 NM W OF LA MULATA. 3,300 X 120 FT N/S SOD RUNWAY. ONE T-SHAPED HANGAR AT SE END OF RUNWAY. N END OF RUNWAY PARTIALLY OVERGROWN.	2252N 08325W	0587		20	2
BAHIA HONDA AFLD SOD RUNWAY. FIELD DOES NOT APPEAR SERVICEABLE. VEGETATION IS GROWING ON THE LANDING STRIP.	2256N 08311W	0587		3A	2
BAHIA HONDA SEAPLANE STATION RAMP APPEARS SERVICEABLE.	2256N 08311W	0587		3D	2
ALTURAS AFLD 3 NM NNE OF ALTURAS. FIELD ABANDONED. NE END OF RUNWAY OVERGROWN WITH VEGETATION.	2256N 08316W	0587		1	2
LA FE SEAPLANE STATION 1 NM N OF LA FE PORT AREA.	2202N 08416W	0587		18B	2
SAN JULIAN AFLD 5.5 NM ENE OF LA FE. 7,000 X 150 FT N/S BLACKTOP RUNWAY. 7,000 X 150 FT NE/SW BLACKTOP RUNWAY. AIRCRAFT--1 DERELICT, 1 POSSIBLE SEA FURY,	2206N 08409W	0587		18	2

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TOP SECRET

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Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

25X1D

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
1 POSSIBLE SEA FURY MINUS ENGINE. BUILDING NEAR RUNWAY, REPORTED UNDER CONSTRUCTION [REDACTED] APPEARS COMPLETE. OLD UNOCCUPIED TRENCHING AND EMBLEMMENTS IN AREA.					
LAGUNA DEL ALGODONAL, LANDING STRIP 3.2 NM NE OF LAGUNA DEL ALGODONAL. 1,700 X 80 FT NE/SW NATURAL SURFACE RUNWAY. NOT LISTED IN ASSOTW.	2209N 08415W	0587		54A	2
LAGUNA DEL ALGODONAL, LANDING STRIP 2 NM MNE OF LAGUNA DEL ALGODONAL. 1,500 X 80 FT E/W SOD-DIRT RUNWAY. DITCHES APPEAR TO CROSS RUNWAY. AIRFIELD NOT LISTED IN ASSOTW.	2209N 08417W	0587		54	2
ISABEL RUBIO, AIRFIELD NO AIRFIELD AT THESE COORDINATES. AIRFIELD NOT LISTED IN ASSOTW.	2210N 08409W	0587		14	2
CLAVELLINAS AIRFIELD #2 NO AIRFIELD LOCATED AT THESE COORDINATES.	2212N 08420W	0587		9A	2
CORONEL PAZO AIRFIELD AIRFIELD RETURNED TO CULTIVATION.	2213N 08420W	0587		11	2
CLAVELLINAS AFLD NO 1 NO AIRFIELD LOCATED AT THESE COORDINATES.	2214N 08422W	0587		9	2
CAPE SAN ANTONIO - CAPE CORRIENTES AREA NAVAL TARGET AREA. NO UNUSUAL ACTIVITY, NO SHIPPING, NO CONSTRUCTION OBSERVED.	2150N 08440W	0587		6	3
PINAR DEL RIO, MILITARY INSTALLATION 1 NM NNE OF PINAR DEL RIO AFLD. 4 T-SHAPED BLDGS, 1 QUADRANGLE BLDG, 15 ADDITIONAL BLDGS. POSSIBLE AUTOMATIC WEAPONS	2225N 08340W	0587		32E	3X

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

TOP SECRET

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Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
POSITIONS. INSTALLATION CONNECTED TO AIRFIELD BY HARD-SURFACE ROAD.					
GUANITO, MILITARY ACTIVITY NO MILITARY ACTIVITY POSITIVELY IDENTIFIED. 1 LARGE BLDG, REPORTED TO BE HOSPITAL. SECURED AREA WITH 1 POSSIBLE BUNKER U/C 1 NM E, 4 CARGO TRUCKS IN AREA 2 NM E, 2 LARGE BLDGS .5 NM W OF REPORTED HOSPITAL. CONSIDERABLE TRACK ACTIVITY, POSSIBLY ASSOCIATED WITH MINING, 2 NM NW OF REPORTED HOSPITAL.	2225N 08351W	0587		56	3
CONSOLACION DEL SUR, MILITARY ACTIVITY AREA PARTIALLY OBSERVED, NO UNUSUAL ACTIVITY APPARENT.	2237N 08331W	0587		10A	3
CONSOLACION DEL NORTE, MILITARY ACTIVITY NO UNUSUAL ACTIVITY OBSERVED.	2246N 08335W	0587		57	3
GUANE AREA, PROBABLE MILITARY TRAINING AREA APPROX 6.5 NM NW OF GUANE, 7.5 NM NW OF SAN JULIAN AIRFIELD. 9 GROUPS OF BLDGS, 2 OR 3 BLDGS TO A GROUP. REVETTING AND TRENCHING ACTIVITY ASSOCIATED WITH BLDGS. VEHICLE AREA WITH SEVERAL BLDGS AND TRUCKS. TRAINING AREA COVERS APPROX 20 TO 25 SQ MI.	2214N 08412W	0587		58B	3A
SAN ANTONIO DE LOS INDIOS, POL 1 STORAGE TANK OBSERVED.	2144N 08302W	0587		52A	4C

25X1B

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

TOP SECRET

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TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
MESTANZA AREA, MINING ACTIVITY 12 NM NW PINAR DEL RIO. MINING ACTIVITY LOCATED AT THE FOLLOWING COORDINATES - 2228N 08351W, AND 2226N 08351W.	2227N 08347W	0587		27	5A
LA FRANCIA SUGAR MILL	2231N 08313W	0587		19A	5J
MINAS DE MATAHAMBRE, COPPER MINES AND MILL	2235N 08356W	0587		26	5J
MINAS DE MATAHAMBRE, MONO PYRITES MINE 2 NM NE OF MINAS DE MATAHAMBRE.	2236N 08355W	0587		28	5A
VINALES AREA, POSSIBLE MINING EXTENSIVE HEAVY TRACK ACTIVITY IN AREA.	2237N 08342W	0587		55	5A
MORA, BARITE MINE CANNOT BE LOCATED.	2237N 08353W	0587		29	5A
MINAS DE MATAHAMBRE AREA, MINING ACTIVITY 9 NM NE OF MINAS DE MATAHAMBRE.	2238N 08347W	0587		26C	5A
SAN CRISTOBAL SUGAR MILL 2.5 NM SE OF SAN CRISTOBAL.	2241N 08301W	0587		41	5J
NIAGARA, SUGAR MILL	2249N 08331W	0587		30	5J

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Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

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Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
BUENAVISTA, CARBONERA COPPER MINE & MILL NOT LOCATED IN THIS AREA.	2254N 08310W	0587		5	5J
BAHIA HONDA SUGAR MILL	2255N 08312W	0587		3C	5J
OROZCO, SUGAR MILL	2258N 08302W	0587		31	5J
LA ARGENTIFERA, LEAD-ZINC MINE AND SMELTER NO MINING ACTIVITY OR SMELTER OBSERVED AT THESE COORDINATES. MINING ACTIVITY IS APPARENT 3 NM TO THE N.	2209N 08401W	0587		15	5A
LOLA, REPORTED LEAD/ZINC MINE NO MINING OBSERVED AT THESE COORDINATES.	2211N 08405W	0587		21	5A
GUANE AREA, MINING ACTIVITY 4.5 NM E OF GUANE. APPARENTLY NEW MINING AREA, ROAD SERVED.	2212N 08400W	0587		15A	5A
LOS CIEGOS, ABANDONED COPPER MINE	2218N 08422W	0587		24	5A
LOS ARROYOS, IRON ORE MINE SMALL ABANDONED OPEN PIT. NO APPARENT PROCESSING FACILITIES.	2221N 08422W	0587		22	5A
DORA, COPPER MINE AND MILL MILL IS ROAD SERVED. 11 BLDGS AND 1 LARGE TIPPLE OBSERVED.	2223N 08406W	0587		12	5J
SAN FRANCISCO, COPPER MINE AND MILL 1 L-SHAPED BLDG, NUMEROUS SMALLER BLDGS, 1 STORAGE TANK.	2227N 08402W	0587		35	5J
PUNTA DE CARTAS, PORT FACILITIES 5 PIERS. NO BOATS OBSERVED.	2210N 08350W	0587		43	6G

TOP SECRET

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
LA COLOMA, PORT FACILITIES 7 TO 9 OFFSHORE WHARVES, 2 JETTIES, COVERED STORAGE FACILITIES. NUMEROUS SMALL BOATS AT ANCHORAGE.	2214N 08334W	0587		16B	6G
PINAR DEL RIO, POWER PLANT JUST S OF PINAR DEL RIO.	2224N 08342W	0587		32B	6E
SANTA LUCIA, PORT FACILITIES 1 LONG PIER AND PARALLEL BREAKWATER.	2240N 08358W	0587		37A	6G
SANTA LUCIA, POWER PLANT	2240N 08358W	0587		37C	6E
LA ESPERANZA, PORT FACILITIES 5 PIERS, NUMEROUS SMALL CRAFT AT ANCHORAGE.	2246N 08344W	0587		17	6G
VERRACOS, PORT ONE LONG OFFSHORE PIER, POSSIBLY 4 BOATS AT ANCHOR.	2247N 08338W	0587		40A	6G
PAJARITO, PORT .5 NM N OF PAJARITO. FOUR PIERS AND 25 BLDGS. NO BOATS OBSERVED.	2249N 08335W	0587		47	6G
MORRILLO, PORT FACILITIES PORT HAS 10 PIERS. AT LEAST 5 BOATS.	2256N 08318W	0587		48	6G
LA FE, PORT FACILITIES 2 PIERS, SMALL OPEN-STORAGE AREA, SEVERAL SMALL PROBABLE FISHING CRAFT.	2202N 08416W	0587		18A	6G
CORTES, PORT FACILITIES 2 SMALL PIERS AND ANCHORAGE.	2203N 08400W	0587		7	6G
LOS ARROYOS, PORT FACILITIES 5 PIERS. 22 SMALL CRAFT IN HARBOR, 14 VESSELS IN INLET .4 NM NE OF PIERS.	2222N 08422W	0587		22A	6G

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

City, Installation	Coordinates	WAC	Target Numbers		Sbj
			BE	OAR	
DIMAS, PORT FACILITY ONE LONG PIER AND ONE SHORT PIER. 10 SMALL BOATS.	2229N 08414W	0587		42	6G
RIO DE MEDIO, PORT FACILITIES BREAKWATER AND 2 SMALL PIERS. 12 SMALL BOATS IN BAY.	2237N 08405W	0587		53	6G
EL CAYUCO URBAN COMPLEX NO UNUSUAL ACTIVITY.	2159N 08413W	0587		8A	7
PINAR DEL RIO URBAN COMPLEX NO UNUSUAL ACTIVITY OBSERVED.	2225N 08343W	0587		32D	7
SEBORUCO URBAN COMPLEX NO MILITARY ACTIVITY OBSERVED IN THIS AREA.	2242N 08322W	0587		38	7
BAHIA HONDA URBAN COMPLEX	2255N 08312W	0587		3	7
MANTUA URBAN COMPLEX NO ESTABLISHED MILITARY CAMP NOTED IN AREA.	2217N 08417W	0587		25	7

25X1B

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

TOP SECRET

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

SUBJECT INDEX

ELECTRONICS

ARTEMISA, MICROWAVE STATION	2
BAUTA AREA, COMMUNICATION STATION U/C	2
CIENFUEGOS AREA, RADIO BROADCASTING STATION	1
CIENFUEGOS AREA, PROBABLE BROADCASTING STATION	1
CIENFUEGOS AREA, PROBABLE BROADCASTING STATION	1
CONSOLACION DEL NORTE, MICROWAVE STATION	32
DIMAS AREA, MICROWAVE STATION	33
GUANAJAY, MICROWAVE STATION	2
GUANE, MICROWAVE STATION	32
HAVANA AREA, RADIO TRANSMITTING STATION	2
HAVANA AREA, RADIO STATION	3
HAVANA AREA, RADIO STATION	3
HAVANA AREA, RADIO STATION	3
HAVANA AREA, RADIO STATION	3
HAVANA AREA, RADIO STATION	5
HAVANA, ARMED FORCES MICROWAVE SYSTEM	4
HAVANA, BROADCAST STATION	3
HAVANA, BROADCAST STATION	4
HAVANA, BROADCAST STATION	4
HAVANA, BROADCAST STATION	4
HAVANA, COMMUNICATIONS INSTALLATION	3
HAVANA, COMMUNICATIONS STATION	5
HAVANA, MICROWAVE STATION	4
HAVANA, MICROWAVE STATION	4
HAVANA, MICROWAVE STATION	5
HERSHEY CENTRAL, COMMUNICATIONS SITE	2
JATIBONICO, RADIO STATION	1
LOS ARROYOS, MICROWAVE STATION	32
MADRUGA, MICROWAVE RELAY STATION	1
MANTUA, MICROWAVE TOWER	32

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

MARBELLA, ELECTRONICS INSTALLATION
 MATANZAS, MICROWAVE SITE
 MATANZAS, PROBABLE MICROWAVE TOWER
 MINAS DE MATAHAMBRE, MICROWAVE STATION
 PINAR DEL RIO, MICROWAVE SITE
 PLAYA VISTA DEL MAR, MICROWAVE SITE
 SAN CRISTOBAL, MICROWAVE STATION
 SAN DIEGO DE LAS BANOS, MICROWAVE STATION
 SAN JULIAN, MICROWAVE SITE
 SANTA CLARA, MICROWAVE SITE
 SANTA CLARA, RADIO STATION
 SANTIAGO DE LAS VEGAS AREA, RADIO STATION

5
 2
 2
 32
 32
 3
 32
 32
 32
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 1
 2

AIRFIELDS

ALTURAS AFLD
 ANDREITA AFLD
 BACURANAO AFLD
 BAHIA HONDA AFLD
 BAHIA HONDA SEAPLANE STATION
 BATEY, AFLD
 BATEY, AFLD
 BATEY, AIRFIELD
 CAIBARIEN AIRFIELD
 CAMPO LIBERTAD AIRFIELD
 CARAPACHIBEY AIRFIELD
 CARDENAS BAY AREA, AFLD
 CARDENAS BAY SEAPLANE STATION
 CAYO LARGO AIRFIELD
 CAYUCO, AFLD
 CENTRAL ARAUJO AFLD
 CENTRAL COVADONGA AIRFIELD
 CIENFUEGOS SEAPLANE STATION
 CLAVELLINAS AFLD NO 1
 CLAVELLINAS AIRFIELD #2
 COLONEL MARTIN MARRERRO AIRFIELD
 CONSOLACION DEL SUR AFLD

35
 8
 12
 35
 35
 33
 34
 34
 7
 12
 6
 10
 11
 6
 33
 8
 7
 7
 36
 36
 6
 34

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

CONSTANCIA, AFLD	7
CORONEL PASCUAL AIRFIELD	10
CORONEL PAZO AIRFIELD	36
DOMINGO ROSILLO AIRFIELD	11
EL PINAR, AIRFIELD	34
GOMEZ MENA AFLD	9
ISABEL RUBIO, AIRFIELD	36
JACKSONVILLE AREA, ABANDONED AIRFIELD	33
JAGUEY GRANDE AREA, AFLD	8
JAGUEY GRANDE, AFLD	9
JAIME GONZALES AFLD	7
JATIBONICO, AFLD	5
JATIBONICO, SOD LANDING STRIP	5
JOFIKINI WAJAY AIRFIELD	11
JOSE MARTI INTERNATIONAL AFLD	11
JURAGUA, LANDING STRIP	7
LA COLOMA, LANDING FIELD	33
LA COLOMA, LANDING STRIP	33
LA FE SEAPLANE STATION	35
LA FRANCIA, AFLD	34
LA MULATA AFLD	35
LAGUNA DEL ALGODONAL, LANDING STRIP	36
LAGUNA DEL ALGODONAL, LANDING STRIP	36
LOMA DAGUILLA, AIRFIELD	6
MANACAS AFLD	8
MANAGUA, AFLD	10
MARIEL NAVAL AIR STATION	11
MENENDEZ AFLD	10
OCEGUERA, LANDING FIELD	9
PARLA CUBAN NAVAL AIR BASE	11
PEDRO BETANCOURT, PROBABLE LANDING STRIP	9
PENINSULA DE ZAPATA AIRFIELD	8
PEPE BARRIENTOS AIRFIELD	10
PINAR DEL RIO AFLD	34
PINAR DEL RIO AREA, LANDING FIELD	33
PLAYA DE ROSARIO, AIRFIELD U/C	9
PLAYA GIRON, AIRFIELD U/C	8

TOP SECRET

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

PRESIDIO MODELO AIRFIELD	7
PUERTA DE GOLPE AREA, AIRFIELD	34
PUERTO DEL GUARDIERO, AFLD	34
PUNTA DE PIEDRAS SEGUNDO, AFLD	6
SAGUA LA GRANDE AFLD	8
SAN ANTONIO DE LOS BANOS AFLD	9
SAN ANTONIO DE LOS BANOS AREA, AFLD	10
SAN ANTONIO DE LOS INDIOS, AFLD	33
SAN JULIAN AFLD	35
SANTA CLARA AFLD	7
SANTA FE AIRFIELD	6
SANTA FE AIRFIELD	11
SANTA FE AREA, ABANDONED AIRFIELD	6
SANTA FE, AFLD	6
SANTA LUCIA AFLD	35
SANTA RITA AIRFIELD	9
SIGUANEIA AIRFIELD	6
SOPLILLAR AREA, AIRFIELD	8
TRINIDAD AIRFIELD	5
TRINIDAD, CENTRAL TRINIDAD LANDING FIELD	5
VEGAS, AFLD	9
VERRACOS AIRFIELD	35
ZAZA DEL MEDIO, AFLD	5

MILITARY INSTALLATIONS

BAHIA DE CABANAS AREA	14
BAHIA DE COCHINOS AREA, MILITARY ACTIVITY	13
CAPE SAN ANTONIO - CAPE CORRIENTES AREA	36
CIENFUEGOS, NAVAL STATION	13
CONSOLACION DEL SUR, MILITARY ACTIVITY	37
CONSOLACION DEL NORTE, MILITARY ACTIVITY	37
GUANAJAY AREA, INSTITUTO CIVICO MILITAR	13
GUANE AREA, PROBABLE MILITARY TRAINING AREA	37
GUANITO, MILITARY ACTIVITY	37
HAVANA AREA, CASTILLO DE MORRO OFFICERS SCHOOL	15
HAVANA AREA, MILITARY DEFENSES	15

TOP SECRET

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

HAVANA MILITARY ACADEMY	14
HAVANA, CAMPO LIBERTAD (CAMPO COLUMBIA)	14
HAVANA, CASTILLO DE PRINCIPE	14
HAVANA, LA CABANA	15
HAVANA, NAVAL ARSENAL (CASA BLANCA)	14
HAVANA, NAVAL ENLISTED TRAINING CENTER	15
HAVANA, SAN ANTONIO NAVAL ARSENAL	14
ISLE OF PINES AREA	13
ISLE OF PINES, MILITARY ACTIVITY	12
MANAGUA, MILITARY RESERVATION	13
MARIEL, NAVAL ACADEMY	13
MARIEL, NAVAL AMMO STORAGE	14
MATANZAS, PORT & NAVAL ACTIVITY	13
NUEVA GERONA MILITARY ACTIVITY	13
PINAR DEL RIO, MILITARY INSTALLATION	36
PLAYA VISTA DEL MAR, PROB MILITARY ACTIVITY	14
SANTA CLARA, MILITARY ACTIVITY	13
SIGUANEA	12

STORAGE

CARDENAS, POL STORAGE	16
CASILDA, POL STORAGE AREA	15
CIENFUEGOS, POL STORAGE (ESSO STANDARD OIL)	15
CIENFUEGOS, POL STORAGE (SINCLAIR)	15
CIENFUEGOS, POL STORAGE (TEXACO)	15
HAVANA, POL STORAGE AREA	16
HAVANA, POL STORAGE (CUBAN PETROLEUM CO)	16
HAVANA, POL STORAGE (SINCLAIR)	16
LA ISABELA (ISABELA DE SAGUA), POL STORAGE	15
MANAGUA, EXPLOSIVES-STORAGE AREA	15
MARIEL POL STORAGE	15
MATANZAS, POL STORAGE (RAYONERA CUBANA)	16
MATANZAS, POL STORAGE	16
MATANZAS, POL STORAGE (TEXACO)	16
SAN ANTONIO DE LOS INDIOS, POL	37

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

INDUSTRY

AGRAMONTE, UNION SUGAR MILL	20
AGUACATE, ROSARIO SUGAR MILL	21
AMAZONAS, SUGAR MILL	16
AMISTAD, SUGAR MILL	22
ANTONIO, PYRITES MINE	17
ARTEMISA AREA, ANDORRA SUGAR MILL	22
ARTEMISA AREA, PILAR SUGAR MILL	22
ARTEMISA AREA, SANTA THERESA LIME PLANT	22
ARTEMISA, CEMENT PLANT	21
BACURANAO, OIL FIELD	25
BACURANAO, OIL REFINERY	25
BAHIA HONDA SUGAR MILL	39
BAUTA AREA, ARIGUANABO TEXTILE PLANT	22
BUENA VISTA AREA, ADELA SUGAR MILL	17
BUENAVISTA, CARBONERA COPPER MINE & MILL	39
CABAIGUAN, OIL REFINERY	17
CAIBARIEN AREA, REFORMA SUGAR MILL	18
CAMAJUANI, SUGAR MILL	18
CARDENAS, DISTILLERY PLANT	23
CAROLINA, SUGAR MILL	21
CIFUENTES AREA, UNIDAD SUGAR MILL	19
CONCHITA, SUGAR MILL	20
CONGOJAS AREA, PARQUE ALTO SUGAR MILL	19
CONSTANCIA AREA, MANUELITA SUGAR MILL	18
CONSTANCIA, SUGAR MILL	18
CORAZON DE JESUS, SUGAR MILL	19
CORRAL NUEVO AREA, ELENA SUGAR MILL	23
CORRAL NUEVO, GYPSUM QUARRY	23
CRUCES AREA, ANDREITA SUGAR MILL	19
CRUCES, SAN AGUSTIN SUGAR MILL	19
DOLORES, SUGAR MILL	20
DORA, COPPER MINE AND MILL	39
EL COTORRO, ANTILLANA DE ACERO IRON & STEEL PT	24
EL COTORRO, CABILLAS IRON & STEEL PROC PLT	24

25X1B

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

EL COTORRO, OIL REFINERY	24
EL GABRIEL AREA, FAJARDO SUGAR MILL	22
ESTRELLA AREA, NAZABAL SUGAR MILL	18
FOMENTO AREA, ESCAMBRAY SUGAR MILL	17
GUANABACOA IRON AND STEEL PROCESSING PLANT	25
GUANE AREA, MINING ACTIVITY	39
GUASIMAS AREA, DOS ROSAS SUGAR MILL	24
GUINES AREA, PROVIDENCIA SUGAR MILL	21
HAVANA (CAMPO LIBERTAD) AMMO PLANT	25
HAVANA AREA, MARIANAO TIRE FACTORY	25
HAVANA AREA, TOLEDO SUGAR MILL	24
HAVANA, HABANA SUGAR MILL	24
HAVANA, OIL REFINERY (SHELL)	25
HAVANA, OIL REFINERY (ESSO)	25
HERSHEY, SUGAR MILL	24
JARAHUECA, OIL FIELD	17
JARAHUECA, OIL REFINERY	17
JARUCO, CEMENT PLANT	24
JATIBONICO, OIL FIELD	16
JATIBONICO, SUGAR MILL	17
JOSEFITA, SUGAR MILL	21
JOVELLANOS, SUGAR MILL	20
LA ARGENTIFERA, LEAD-ZINC MINE AND SMELTER	39
LA FRANCIA SUGAR MILL	38
LAGUNILLAS AREA, POSS ORE-PROCESSING INDUSTRY	21
LIMONES, SUGAR MILL	21
LOLA, REPORTED LEAD/ZINC MINE	39
LOS ARROYOS, IRON ORE MINE	39
LOS CIEGOS, ABANDONED COPPER MINE	39
LOS GUAOS, IRON-ORE MINE	18
LOS MANGOS, PYRITES MINE	18
MADRUGA AREA, SAN ANTONIO SUGAR MILL	21
MADRUGA, OIL FIELD	21
MARGET, PYRITES MINE	24
MARIEL AREA, SAN RAMON SUGAR MILL	22
MARIEL, CEMENT PLANT	24
MATANZAS, FERTILIZER PLANT	23

TOP SECRET

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

MATANZAS, NEW CHEMICAL PLANT	23
MATANZAS, TEXTILE MILL	23
MELENA DEL SUR AREA, MERCEDITA SUGAR MILL	22
MERCEDITAS, SUGAR MILL	23
MESTANZA AREA, MINING ACTIVITY	38
MINAS DE MATAHAMBRE, COPPER MINES AND MILL	38

MINAS DE MATAHAMBRE, MONO PYRITES MINE	38
MINAS DE MATAHAMBRE AREA, MINING ACTIVITY	38
MORA, BARITE MINE	38
NARCISA, SUGAR MILL	17
NELA, SUGAR MILL	17
NIAGARA, SUGAR MILL	38
OROZCO, SUGAR MILL	39
PALMIRA AREA, HORMIGUERO SUGAR MILL	19
PALMIRA AREA, PORTUGALETE SUGAR MILL	19
PEDRO BETANCOURT AREA, CUBA SUGAR MILL	20
PEDROSO AREA, SOCORRO SUGAR MILL	20
PERSEVERANCIA, SUGAR MILL	19

25X1B

PLACETAS AREA, SAN JOSE SUGAR MILL	17
PORTUGALETE, SUGAR MILL	23
PROGRESO, SUGAR MILL	21
QUIVICAN AREA, OCCIDENTE SUGAR MILL	20
RANCHO VELOZ AREA, RESOLUCION SUGAR MILL	20
RANCHUELA AREA, SANTA MARIA SUGAR MILL	19
REMEDIOS, REMEDIOS MINE	18
ROSARIO AREA, COVADONGA SUGAR MILL	18

25X1B

SAGUA LA GRANDE, CHEMICAL PLANT	19
SAN ANDRES AREA, FIDENCIA SUGAR MILL	17
SAN CRISTOBAL SUGAR MILL	38
SAN FERNANDO, COPPER MINE AND MILL	18
SAN FRANCISCO, COPPER MINE AND MILL	39
SAN IGNACIO, SUGAR MILL	21
SAN ISIDRO, SUGAR MILL	19
SAN JOSE DE LAS LAJAS, 2 NEW INDUSTRIAL PLTS	22

25X1B

25X1

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

SAN JOSE DE LAS LAJAS, INDUSTRIAL AREA	22
SAN JOSE DE LAS LAJAS, COPPER FABRICATION PLT	22
SAN JOSE DE LAS LAJAS, IRON & STEEL PLANT	23
SAN JUAN DE LOS YERAS, PASTORA SUGAR MILL	19
SAN NICOLAS DE BARI, GOMEZ MENA SUGAR MILL	20
SANCTI SPIRITUS AREA, TUINICU SUGAR MILL	17
SANTA AMALIA, SUGAR MILL	21
SANTA CLARA AREA, CARMITA SUGAR MILL	18

SANTA MARIA DEL MAR, OIL FIELD	25
SANTA RITA DE BARO, SUGAR MILL	20
SIGUANE, TUNGSTEN MINES	17
SITIECITO, SANTA TERESA SUGAR MILL	19
SOLEDAD, SOLEDAD SUGAR MILL	18
TANGUE, JAGUEY GRANDE SUGAR MILL	20
TRINIDAD AREA, NEW PROBABLE CIGAR FACTORY	16
TRINIDAD, SUGAR MILL	16
TRIUNFO, SUGAR MILL	21
ULACIA, SUGAR MILL	19

25X1B

VEGA ALTA AREA, CARMITA SUGAR MILL	18
VINALES AREA, POSSIBLE MINING	38
VITORIA, SUGAR MILL	17
WASHINGTON, SUGAR MILL	19
ZULUETA, SAN PABLO SUGAR MILL	17

25X1B

BASIC SERVICES

BATABANO, PORT FACILITIES	27
BOCA RIO BANES, PORT FACILITIES	28
CABANAS, PORT FACILITIES	27
CAIBARIEN, PORT FACILITIES	26
CARAHATAS, PORT FACILITY	27
CARDENAS, PORT FACILITIES	27
CASILDA, PORT FACILITIES	25
CENTRAL NELA, PIER FACILITIES	26
CIENFUEGOS, PORT FACILITIES	26

TOP SECRET

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

CIENFUEGOS, THERMAL POWER PLANT	26
CIENFUEGOS, THERMAL POWER PLANT	26
CORTES, PORT FACILITIES	40
DIMAS, PORT FACILITY	41
HAVANA, GAS WORKS	28
HAVANA, HARBOR TUNNEL	29
HAVANA, PORT FACILITIES	29
HAVANA, POWER PLANT RINCON DE MELONES	28
HAVANA, PROBABLE THERMAL ELECTRIC POWER PLANT	29
HAVANA, REGLA POWER PLANT	29
HAVANA, TALLAPIEDRA POWER PLANT	29
HERSHEY, POWER PLANT	28
JUCARO, PORT FACILITIES	26
KAWAMA, MARINA FOR SMALL CRAFT	28
LA COLOMA, PORT FACILITIES	40
LA ESPERANZA, PORT FACILITIES	40
LA FE, PORT FACILITIES	40
LA ISABELA, PORT FACILITIES	27
LOS ARROYOS, PORT FACILITIES	40
MARIEL, PORT FACILITIES	28
MATANZAS, PORT FACILITIES	28
MATANZAS, POWER PLANT	28
MORRILLO, PORT FACILITIES	40
NUEVO GERONA, PORT FACILITIES	26
PAJARITO, PORT	40
PANCHITA, PORT FACILITY	27
PINAR DEL RIO, POWER PLANT	40
PLAYA CAIMITO, PORT	27
PLAYA DEL CAJIO, PORT	27
PUNTA DE CARTAS, PORT FACILITIES	39
RIO DE MEDIO, PORT FACILITIES	41
SANTA CRUZ DEL NORTE, PORT	28
SANTA LUCIA, PORT FACILITIES	40
SANTA LUCIA, POWER PLANT	40
SIGUANEA AREA, PORT FACILITIES	26
VERRACOS, PORT	40
VITORIA, PORT FACILITY	26

25X1

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

URBAN COMPLEXES

ARTEMISA URBAN COMPLEX	29
BAHIA HONDA URBAN COMPLEX	41
CIENFUEGOS URBAN COMPLEX	29
COJIMAR URBAN COMPLEX	30
EL CAYUCO URBAN COMPLEX	41
GUANABO URBAN COMPLEX	30
GUANAJAY URBAN COMPLEX	30
GUINES URBAN COMPLEX	29
HAVANA URBAN COMPLEX	30
HOYO DE MANICARAGUA URBAN COMPLEX	29
MANTUA URBAN COMPLEX	41
PINAR DEL RIO URBAN COMPLEX	41
SAGUA LA GRANDE URBAN COMPLEX	29
SAN ANTONIO DE LOS BANOS URBAN COMPLEX	30
SANTA CLARA URBAN COMPLEX	29
SANTA CRUZ DEL NORTE URBAN COMPLEX	30
SEBORUCO URBAN COMPLEX	41

MISCELLANEOUS

HAVANA, PRESIDENTIAL PALACE & CAPITOL BUILDING 31

25X1B

SIGUANEA AFLD VICINITY, PROB NEW HOUSING AREA 30

25X1B

TOP SECRET

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6 PAR 603-60/Z

APPENDIX

EXPLANATION OF COLUMN HEADINGS

Column headings used in the listing are as follows (reading from left to right):

City, Installation -- This column contains the name of the city or town nearest the installation, followed by the name of the installation. If the name of the installation is not known, it is titled according to its function. The city and installation name is followed by a capsule description, where appropriate.

Coordinates -- Coordinates are given to the nearest minute. When the subject installation covers a wide area, coordinates are given for the approximate center of the installation.

WAC -- This column provides the World Aeronautical Chart number for the area in which the subject installation lies.

Target Numbers -- The Target Numbers column is divided into two subcolumns. The first subcolumn lists, when known, the BE installation number assigned to the target. The second column lists the installation number assigned by PIC. Installation numbers, when used to reference an item, should be prefixed by the appropriate WAC number, since installation numbers are repeated from WAC to WAC. For example, there is a PIC target numbered 0586-1 and a PIC target numbered 0585-1. In each instance, the PIC installation is 1, but the installations appear on different WACs.

Subject Code (Sbj) -- The last column lists for each installation the subject code to which it has been assigned for recall purposes. The detailed subject code is as follows --

0. MISSILE INSTALLATIONS

- a. Flight Test and Training
- b. Downrange Electronics and Impacts
- c. Airborne Missile Assembly and Loading Facilities
- d. Operational SAM Sites
- f. Operational SAM Support Facilities

TOP SECRET

25X1

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6

Approved For Release 2005/02/10 : CIA-RDP78T05164A000100030016-6